

RECEIVED #12

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1612

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/714,409A

DATE: 05/31/2002  
 TIME: 09:10:15

Input Set : A:\PTOMS.txt  
 Output Set: N:\CRF3\05312002\I714409A.raw

3 <110> APPLICANT: Johnson, Leisa  
 4 Fattaey, Ali  
 5 Hermiston, Terry  
 7 <120> TITLE OF INVENTION: An Oncolytic Adenovirus  
 9 <130> FILE REFERENCE: ONYX1033-US  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/714,409A  
 13 <141> CURRENT FILING DATE: 2000-11-14  
 15 <150> PRIOR APPLICATION NUMBER: US 60/165,638  
 17 <151> PRIOR FILING DATE: 1999-11-15  
 19 <160> NUMBER OF SEQ ID NOS: 25  
 21 <170> SOFTWARE: PatentIn version 3.1  
 23 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 35  
 27 <212> TYPE: DNA  
 29 <213> ORGANISM: Artificial Sequence  
 31 <220> FEATURE:  
 33 <223> OTHER INFORMATION: XhoI  
 35 <220> FEATURE:  
 37 <221> NAME/KEY: misc\_feature  
 39 <223> OTHER INFORMATION: Oligonucleotide  
 41 <400> SEQUENCE: 1  
 42 gctgggtccg tctcgagtgg tgttttttta atagg 35  
 45 <210> SEQ ID NO: 2  
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 49 <212> TYPE: DNA  
 51 <213> ORGANISM: Artificial Sequence  
 53 <220> FEATURE:  
 55 <223> OTHER INFORMATION: XhoI  
 57 <220> FEATURE:  
 59 <221> NAME/KEY: misc\_feature  
 61 <223> OTHER INFORMATION: Oligonucleotide Complement  
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 67 <210> SEQ ID NO: 3  
 69 <211> LENGTH: 26  
 71 <212> TYPE: DNA  
 73 <213> ORGANISM: Artificial Sequence  
 75 <220> FEATURE:  
 77 <223> OTHER INFORMATION: SpeI  
 79 <220> FEATURE:  
 81 <221> NAME/KEY: misc\_feature  
 83 <223> OTHER INFORMATION: Oligonucleotide  
 85 <400> SEQUENCE: 3

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86 gggcggagta actagtatgt gttggg  
89 <210> SEQ ID NO: 4  
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93 <212> TYPE: DNA  
95 <213> ORGANISM: Artificial Sequence  
97 <220> FEATURE:  
99 <223> OTHER INFORMATION: SpeI  
101 <220> FEATURE:  
103 <221> NAME/KEY: misc\_feature  
105 <223> OTHER INFORMATION: Oligonucleotide Complement  
107 <400> SEQUENCE: 4  
108 cccaaacat actagttact ccgcccc 26  
111 <210> SEQ ID NO: 5  
113 <211> LENGTH: 37  
115 <212> TYPE: DNA  
117 <213> ORGANISM: Artificial Sequence  
119 <220> FEATURE:  
121 <223> OTHER INFORMATION: SpeI-E2F1P  
123 <220> FEATURE:  
125 <221> NAME/KEY: misc\_feature  
127 <223> OTHER INFORMATION: Primer  
129 <400> SEQUENCE: 5  
130 gtgagcacta gtcgcctgg accatccgga caaagcc 37  
133 <210> SEQ ID NO: 6  
135 <211> LENGTH: 34  
137 <212> TYPE: DNA  
139 <213> ORGANISM: Artificial Sequence  
141 <220> FEATURE:  
143 <223> OTHER INFORMATION: XhoI-E2F1  
145 <220> FEATURE:  
147 <221> NAME/KEY: misc\_feature  
149 <223> OTHER INFORMATION: Primer  
151 <400> SEQUENCE: 6  
152 gtgagcctcg agctcgatcc cgctccgccc ccgg 34  
155 <210> SEQ ID NO: 7  
157 <211> LENGTH: 31  
159 <212> TYPE: DNA  
161 <213> ORGANISM: Artificial Sequence  
163 <220> FEATURE:  
165 <223> OTHER INFORMATION: d1922/47  
167 <220> FEATURE:  
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171 <223> OTHER INFORMATION: Primer  
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174 gctaggatcc gaaggaggattg acttactcac t 31  
177 <210> SEQ ID NO: 8  
179 <211> LENGTH: 31  
181 <212> TYPE: DNA  
183 <213> ORGANISM: Artificial Sequence

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185 <220> FEATURE:  
187 <223> OTHER INFORMATION: d1922/47  
189 <220> FEATURE:  
191 <221> NAME/KEY: misc\_feature  
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196 gcttagaattc ctcttcatcc tcgtcgtaac t 31  
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201 <211> LENGTH: 20  
203 <212> TYPE: DNA  
205 <213> ORGANISM: Artificial Sequence  
207 <220> FEATURE:  
209 <223> OTHER INFORMATION: E2F-1  
211 <220> FEATURE:  
213 <221> NAME/KEY: misc\_feature  
215 <223> OTHER INFORMATION: Promoter in the E4 region  
217 <400> SEQUENCE: 9  
218 ggtgacgtag gtttttagggc 20  
221 <210> SEQ ID NO: 10  
223 <211> LENGTH: 21  
225 <212> TYPE: DNA  
227 <213> ORGANISM: Artificial Sequence  
229 <220> FEATURE:  
231 <223> OTHER INFORMATION: E2F-1  
233 <220> FEATURE:  
235 <221> NAME/KEY: misc\_feature  
237 <223> OTHER INFORMATION: Promoter in E4 Region-Complement  
239 <400> SEQUENCE: 10  
240 gccataaacag tcagccttac c 21  
243 <210> SEQ ID NO: 11  
245 <211> LENGTH: 35  
247 <212> TYPE: DNA  
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251 <220> FEATURE:  
253 <223> OTHER INFORMATION: BamHI-E2F1P  
255 <220> FEATURE:  
257 <221> NAME/KEY: misc\_feature  
259 <223> OTHER INFORMATION: Primer  
261 <400> SEQUENCE: 11  
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269 <212> TYPE: DNA  
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273 <220> FEATURE:  
275 <223> OTHER INFORMATION: HindIII-E2F1P  
277 <220> FEATURE:  
279 <221> NAME/KEY: misc\_feature  
281 <223> OTHER INFORMATION: Primer

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Input Set : A:\PTOMS.txt

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 284 gtgagcaagc ttgcctggt accatccgga caaagcc 37  
 287 <210> SEQ ID NO: 13  
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 293 <213> ORGANISM: Artificial Sequence  
 295 <220> FEATURE:  
 297 <223> OTHER INFORMATION: EcoXC1  
 299 <220> FEATURE:  
 301 <221> NAME/KEY: misc\_feature  
 303 <223> OTHER INFORMATION: Primer present in pBR322  
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 306 cgcggaaattc ttttggattt aagccatat g 31  
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 313 <212> TYPE: DNA  
 315 <213> ORGANISM: Artificial Sequence  
 317 <220> FEATURE:  
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 323 <221> NAME/KEY: misc\_feature  
 325 <223> OTHER INFORMATION: Primer present in pBR322  
 327 <400> SEQUENCE: 14  
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 331 <210> SEQ ID NO: 15  
 333 <211> LENGTH: 30  
 335 <212> TYPE: DNA  
 337 <213> ORGANISM: Artificial Sequence  
 339 <220> FEATURE:  
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 343 <220> FEATURE:  
 345 <221> NAME/KEY: misc\_feature  
 347 <223> OTHER INFORMATION: Primer  
 349 <400> SEQUENCE: 15  
 350 ctccctccgag cggatccgac accgggactg 30  
 353 <210> SEQ ID NO: 16  
 355 <211> LENGTH: 30  
 357 <212> TYPE: DNA  
 359 <213> ORGANISM: Artificial Sequence  
 361 <220> FEATURE:  
 363 <223> OTHER INFORMATION: E1A.Xba  
 365 <220> FEATURE:  
 367 <221> NAME/KEY: misc\_feature  
 369 <223> OTHER INFORMATION: Primer  
 371 <400> SEQUENCE: 16  
 372 gcgggaccac cgggtgtatc tcaggaggtg 30  
 375 <210> SEQ ID NO: 17  
 377 <211> LENGTH: 20  
 379 <212> TYPE: DNA

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Input Set : A:\PTOMS.txt  
Output Set: N:\CRF3\05312002\I714409A.raw

381 <213> ORGANISM: Artificial Sequence  
383 <220> FEATURE:  
385 <223> OTHER INFORMATION: E1A.Xba  
387 <220> FEATURE:  
389 <221> NAME/KEY: misc\_feature  
391 <223> OTHER INFORMATION: Primer  
393 <400> SEQUENCE: 17  
394 gcattctcta gacacaggtg  
397 <210> SEQ ID NO: 18  
399 <211> LENGTH: 25  
401 <212> TYPE: DNA  
403 <213> ORGANISM: Artificial Sequence  
405 <220> FEATURE:  
407 <223> OTHER INFORMATION: Ad5-left  
409 <220> FEATURE:  
411 <221> NAME/KEY: misc\_feature  
413 <223> OTHER INFORMATION: Primer  
415 <400> SEQUENCE: 18  
416 gggcgtaacc gagtaagatt tggcc  
419 <210> SEQ ID NO: 19  
421 <211> LENGTH: 31  
423 <212> TYPE: DNA  
425 <213> ORGANISM: Artificial Sequence  
427 <220> FEATURE:  
429 <223> OTHER INFORMATION: E1Astart.NC  
431 <220> FEATURE:  
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435 <223> OTHER INFORMATION: Primer  
437 <400> SEQUENCE: 19  
438 ggcagataat atgtctcatt ttcagtcccg g  
441 <210> SEQ ID NO: 20  
443 <211> LENGTH: 31  
445 <212> TYPE: DNA  
447 <213> ORGANISM: Artificial Sequence  
449 <220> FEATURE:  
451 <223> OTHER INFORMATION: Af-7  
453 <220> FEATURE:  
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457 <223> OTHER INFORMATION: Primer  
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467 <212> TYPE: DNA  
469 <213> ORGANISM: Artificial Sequence  
471 <220> FEATURE:  
473 <223> OTHER INFORMATION: Af-5  
475 <220> FEATURE:  
477 <221> NAME/KEY: misc\_feature

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VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/714,409A

DATE: 05/31/2002  
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Input Set : A:\PTOMS.txt  
Output Set: N:\CRF3\05312002\I714409A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number